



Subst. Form PTO-1449 APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: JHR 2 0003-3-3-3-1	Serial No.: 10/620,980
	Applicant: James A. Williams	
	Filing Date: 07/16/2003	Group: Unknown

U.S. PATENT DOCUMENTS							
Initial*		Document No.	Date	Name	Class	Subcl.	Filing Date
hcy	AA	4,733,845	03/1988	Maiwald			
	AB	4,756,034	07/1988	Stewart			
	AC	4,844,541	07/1989	Laird			
	AD	5,098,158	03/1992	Palarski			
	AE	5,292,178	03/1994	Loose et al.			
	AF	5,575,449	11/1996	Shinbori et al.			
	AG	5,575,535	11/1996	Burchett et al.			
	AH	5,607,204	03/1997	Gryp			
	AI	5,735,573	04/1998	Vredevoogd			
V	AJ	5,988,749	11/1999	Williams			

FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subcl.	Translation?
	AK						
	AL						
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OTHER ART		
	AP	
	AQ	

Examiner:	Milton Nelson, Jr. Primary Examiner	Date Considered: 2/18/04
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142	BA	711,412	10/1902	Archambeault			
	BB	871,022	11/1907	Anthony			
	BC	1,414,637	05/1922	Gell			
	BD	2,025,436	12/1935	Brosset			
	BE	2,240,748	05/1941	Bak			
	BF	2,351,222	06/1944	Muskin et al.			
	BG	2,497,395	02/1950	Cramer, Sr.			
	BH	2,642,584	06/1953	Petersen et al.			
	BI	2,860,691	11/1958	Caesar			
V	BJ	3,005,997	10/1961	Fox			

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	BK						
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lu	CA	3,235,308	02/1966	Conner	
	CB	3,299,446	01/1967	Blise et al.	
	CC	3,331,408	07/1967	Condit	
	CD	3,458,877	08/1969	Edwards	
	CE	3,567,280	03/1971	Bradshaw	
	CF	3,816,860	06/1974	Quakenbush	
	CG	3,913,152	10/1975	Quakenbush	
	CH	4,001,901	01/1977	Quakenbush	
	CI	4,037,872	07/1977	Quakenbush	
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Ju	DA	4,452,486	06/1984	Zapf, et al.			
	DB	4,481,684	11/1984	Hauck			
	DC	4,563,784	01/1986	Shrock et al.			
	DD	4,586,206	05/1986	Singer			
	DE	2,591,426	04/1952	Hadley			
	DF	5,129,706	07/1992	Ghezzi			
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	Applicant: James A. Williams	
	Filing Date: May 11, 2001	Group: 3636

U.S. PATENT DOCUMENTS							
Initial*		Document No.	Date	Name	Class	Subcl.	Filing Date
lyn	BA	711,412	10/1902	Archambeault			
	BB	871,022	11/1907	Anthony			
	BC	1,414,637	05/1922	Gell			
	BD	2,025,436	12/1935	Brosset			
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	CC	3,331,408 ✓	07/1967	Condit	_____	_____	
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